Lone Star Region

National Model Railroad Association

"The Shack" Scratch Build

-Mike Jobe

SESSION 2

The Shack

- Session 1
  - Preparations
  - Framing
- Session 2
  - Siding
  - Lettering / Weathering
  - Final Assembly

Lone Star Region

SESSION 2

Siding / Doors/ Window
Weathering
Final Assembly

Staining / Prepping Wood

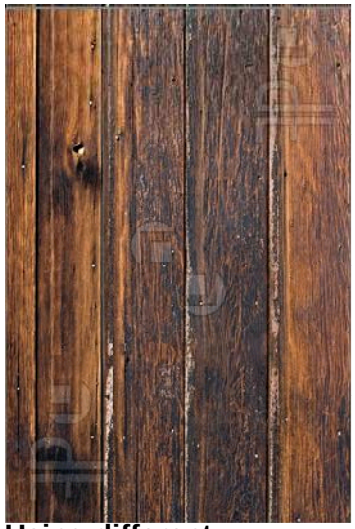
One of the nice attributes about scratch building is you can decide how you want the structure to look, *its your railroad, you build it the way you want to.*

The technique I used was submerging the bundle of siding (entire package) into the dye (in this case I use MicroMark Age it Easy gray.

The same technique can be used with the Alcohol / Ink mix as well

Submerge the bundle into the bottle until the desired color that you like is accomplished, then flip the bundle over and submerge the other end for alittle longer. When the bundle is cut into the right lengths, mix the two sides of the bundle together so you get varying colors to your siding.

Prepping Staining Wood



Using different concentrations of stain

Stain all the same color

Stain and then distress using sandpaper

Peeling Paint

Oregon Siding

Ramshackle

Fresh Paint

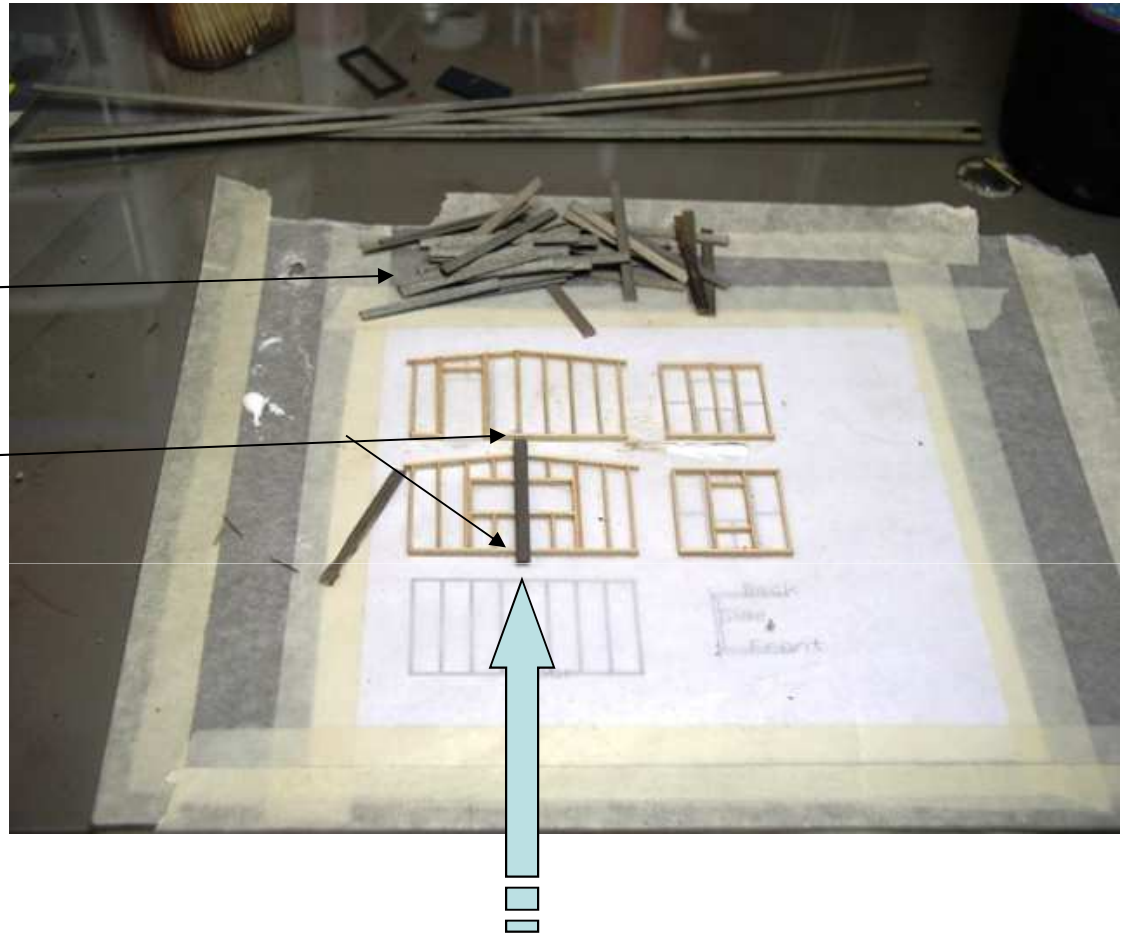
Sun Fade Paint (painted then washed with diluted white)

Lone Star Region

Siding / Doors/ Window

Siding / Doors/ Window

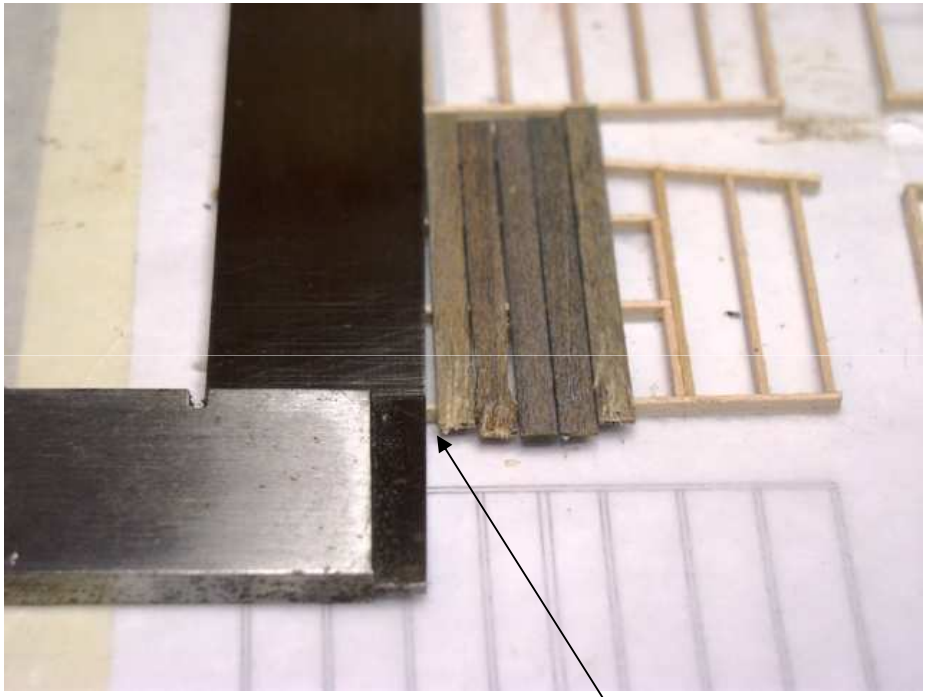
Start by measuring the length needed for the siding. Next cut several pieces at that same length, **NOTE** that I cut the length longer than what will be needed.



Working with the front wall first, glue one piece directly up and down and center to the wall.

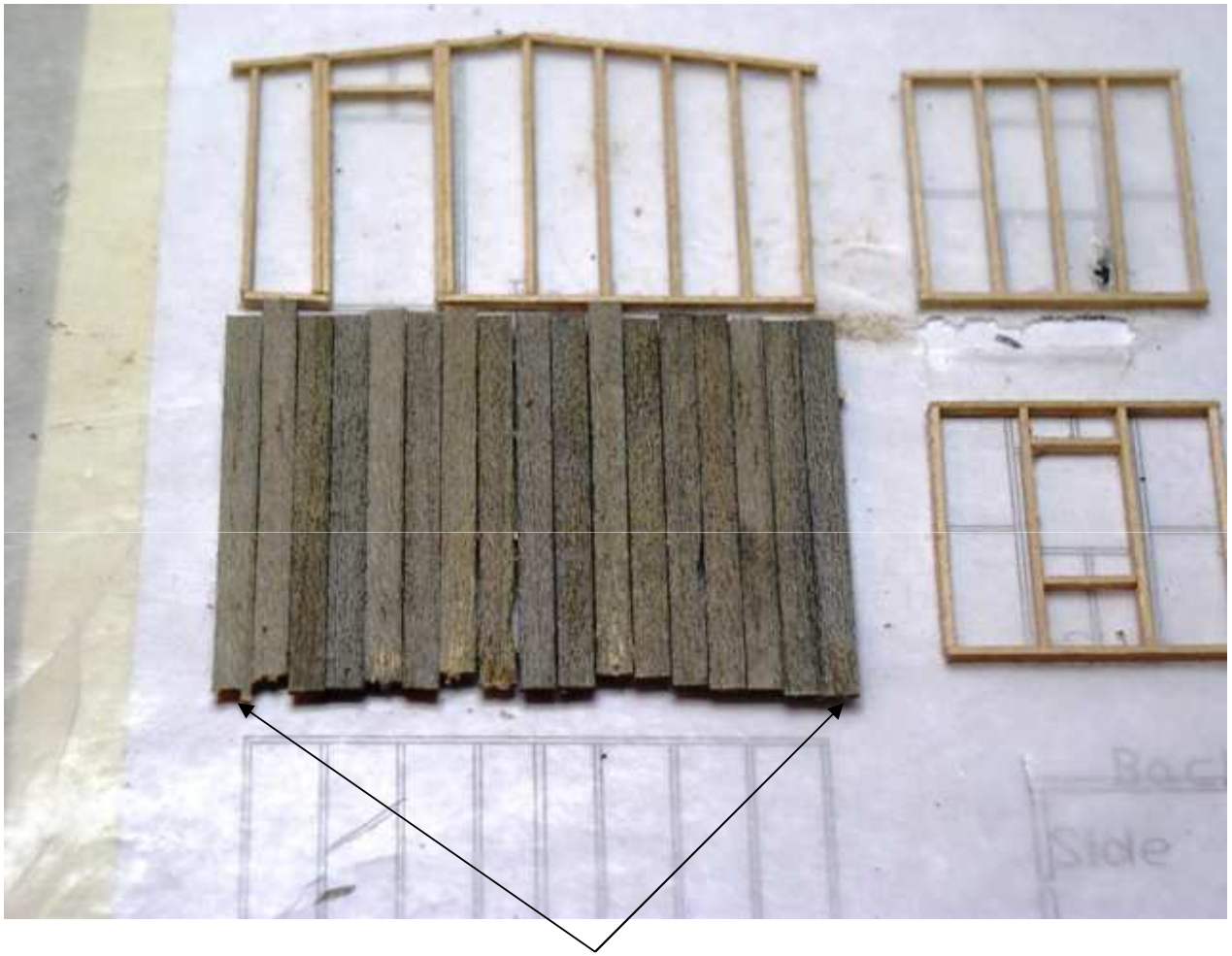
Siding / Doors/ Window

If your shack is going to be weather beating and old, now is the time to distress the wood, (before you place it on the studs) I used an exacto to rough up the bottom where the ground as eaten away at the wood. I also trimmed a little from a few of the sides to give me a gap as in real wood



Once the center plank is placed begin to place planking on each side of the center, alternate one and the left, then one on the right, make sure you keep an eye out for drift as seen above

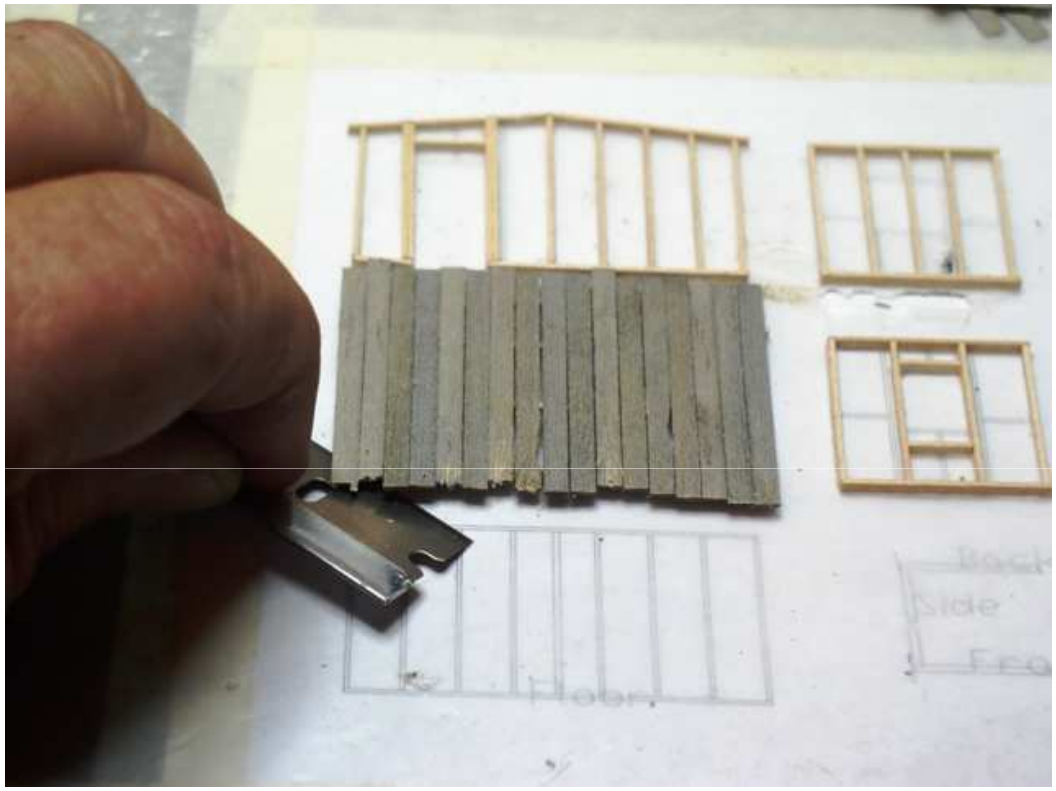
Siding / Doors/ Window



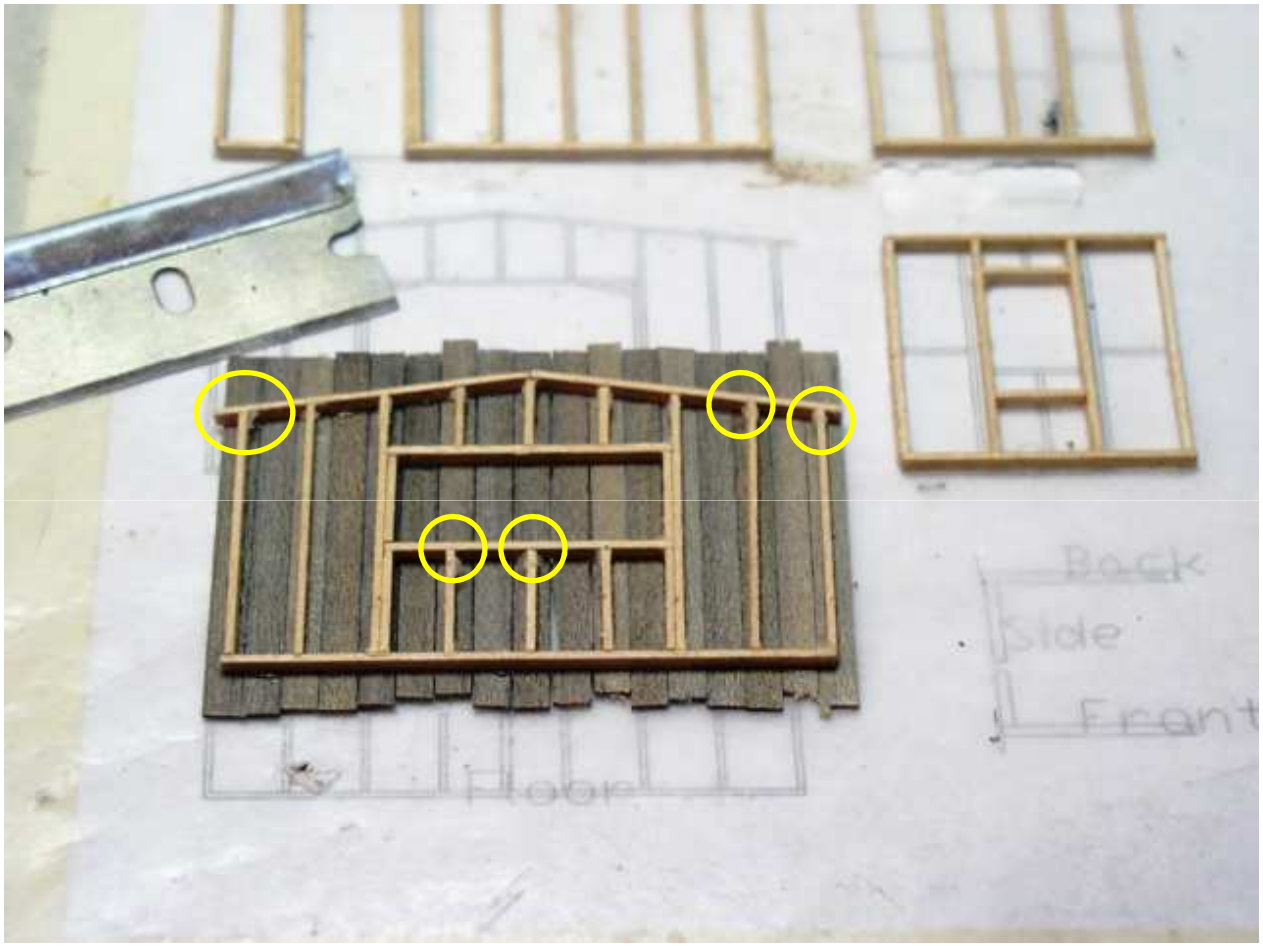
Continue placing the siding onto the studs, cover the front opening as well, also don’t worry about the last planks on the sides these will be trimmed later, just don’t go short leaving the stud exposed.

Siding / Doors/ Window

Once the siding is attached and the glue dry, slide the razor underneath at a sharp angel to pop the glue that was used to hold the studs to the wax paper.



Siding / Doors/ Window

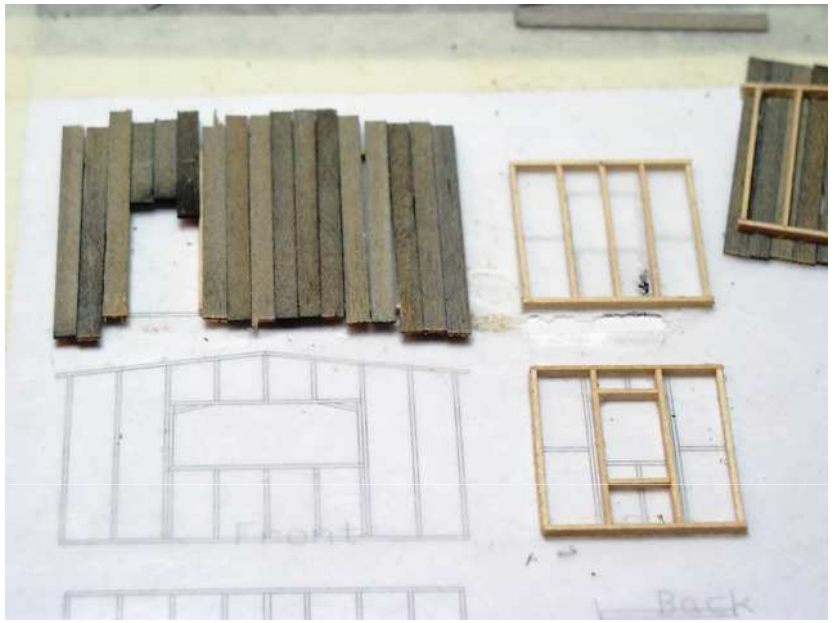


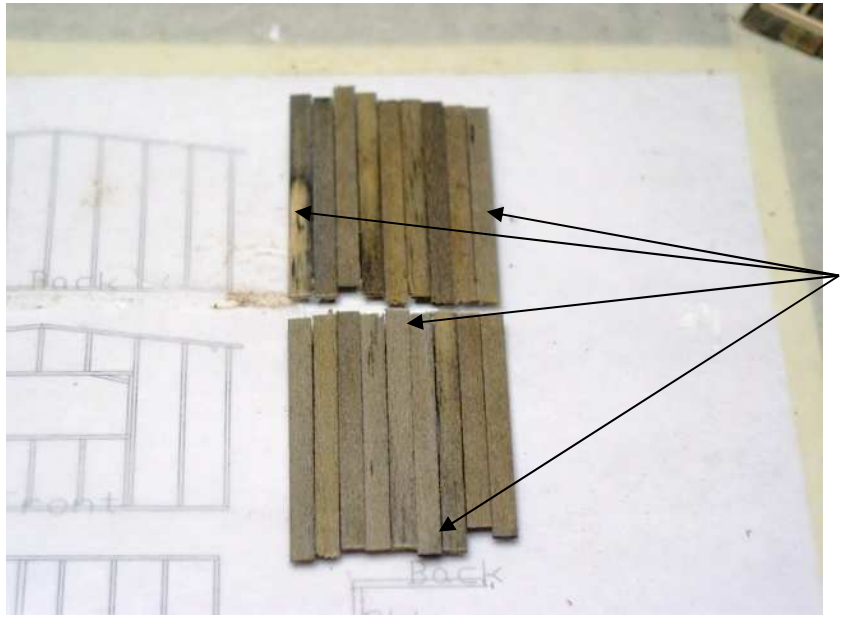
Time to pay for your sins...

Carefully inspect the back of the wall and begin to remove any glue that was used. I typically will use tweezers and an razor to trim these spots off....

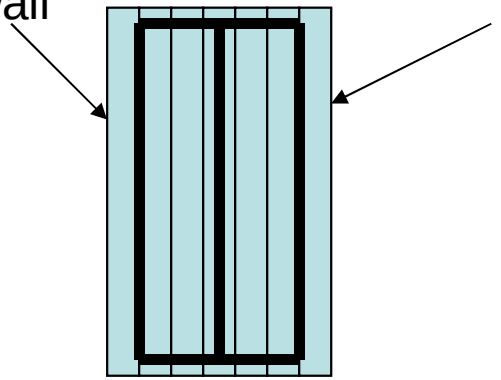
Siding / Doors/ Window

Begin the other walls in the same way you did the first, note how I saved on a little bit of wood by not covering the entire door area...



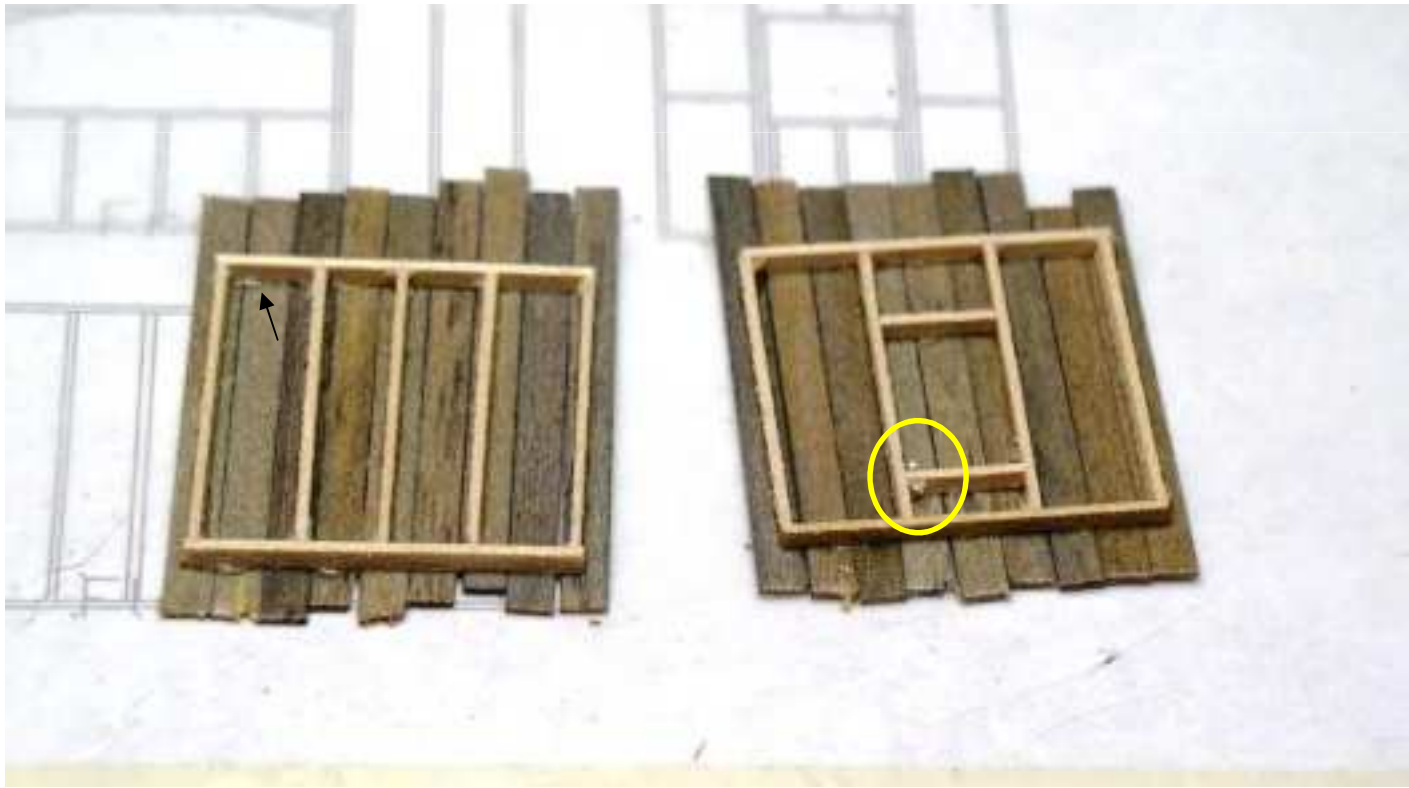


When you work on the side walls, add additional over hang on all 4 sides of the wall



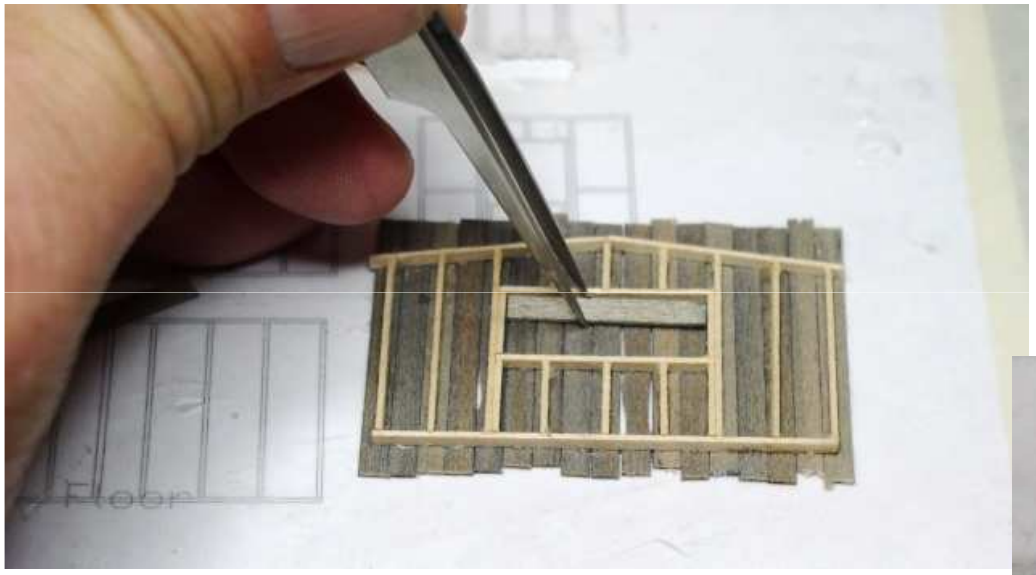
Siding / Doors/ Window

Flip the other remaining walls over and clean the glue...

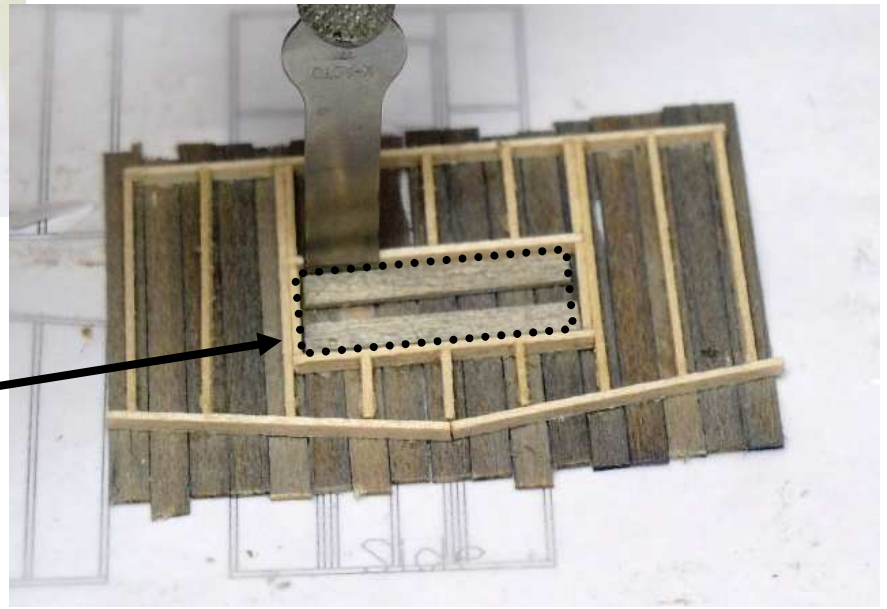


Siding / Doors/ Window

Grab the front wall again and cut to size two 2x10s these will be glued in place over the shack door to hold the siding together when you remove open up the hole.

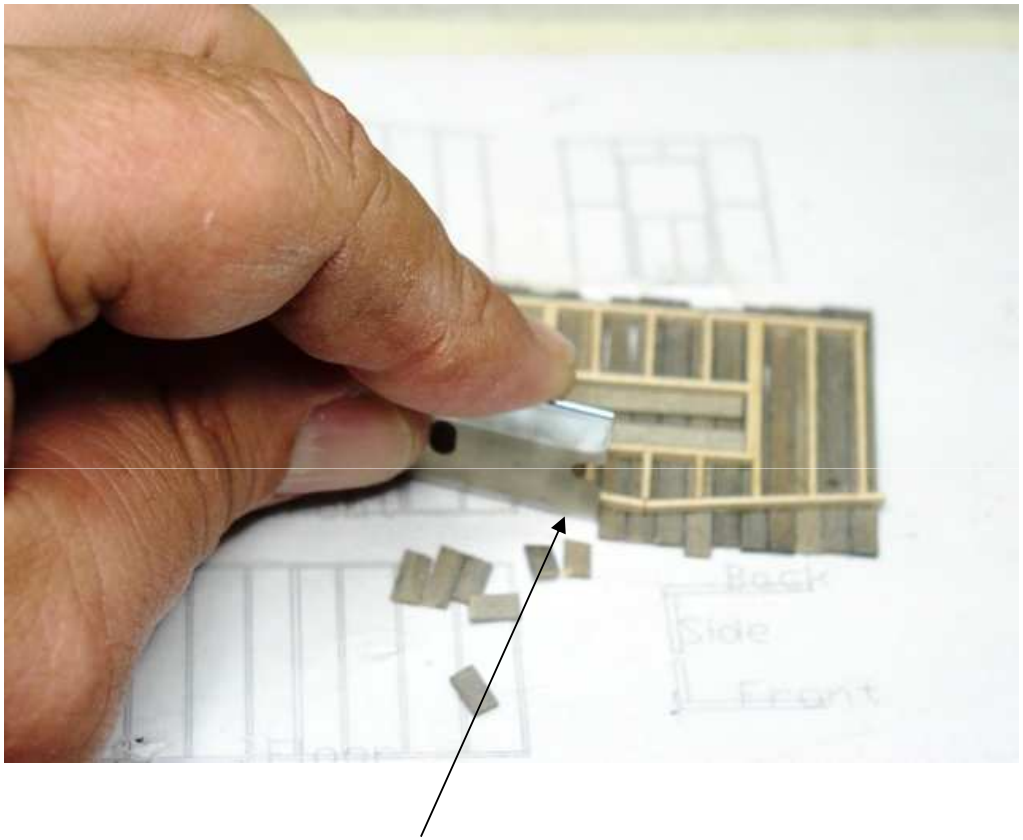


Make sure you leave enough room around all 4 sides so that you can slide your flat blade in there to cut out this door.



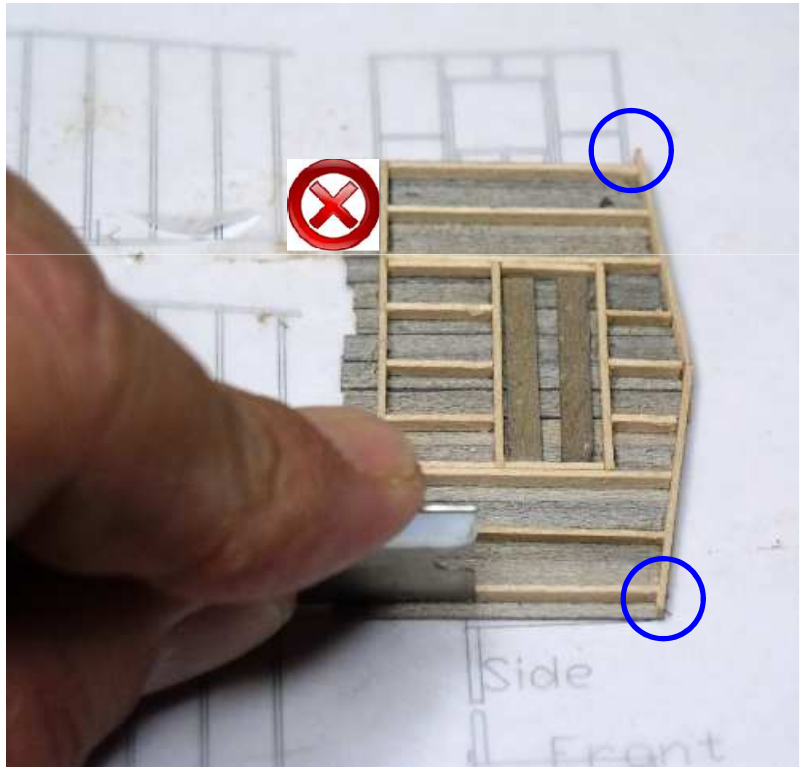
Siding / Doors/ Window

NOW WE START TRIMMING THE WALLS, WINDOWS AND DOOR OPENINGS



Start with the top of the front wall and follow the roof line. The cut (actually nibble your way alone the roof line) must be flush with the stud going across.

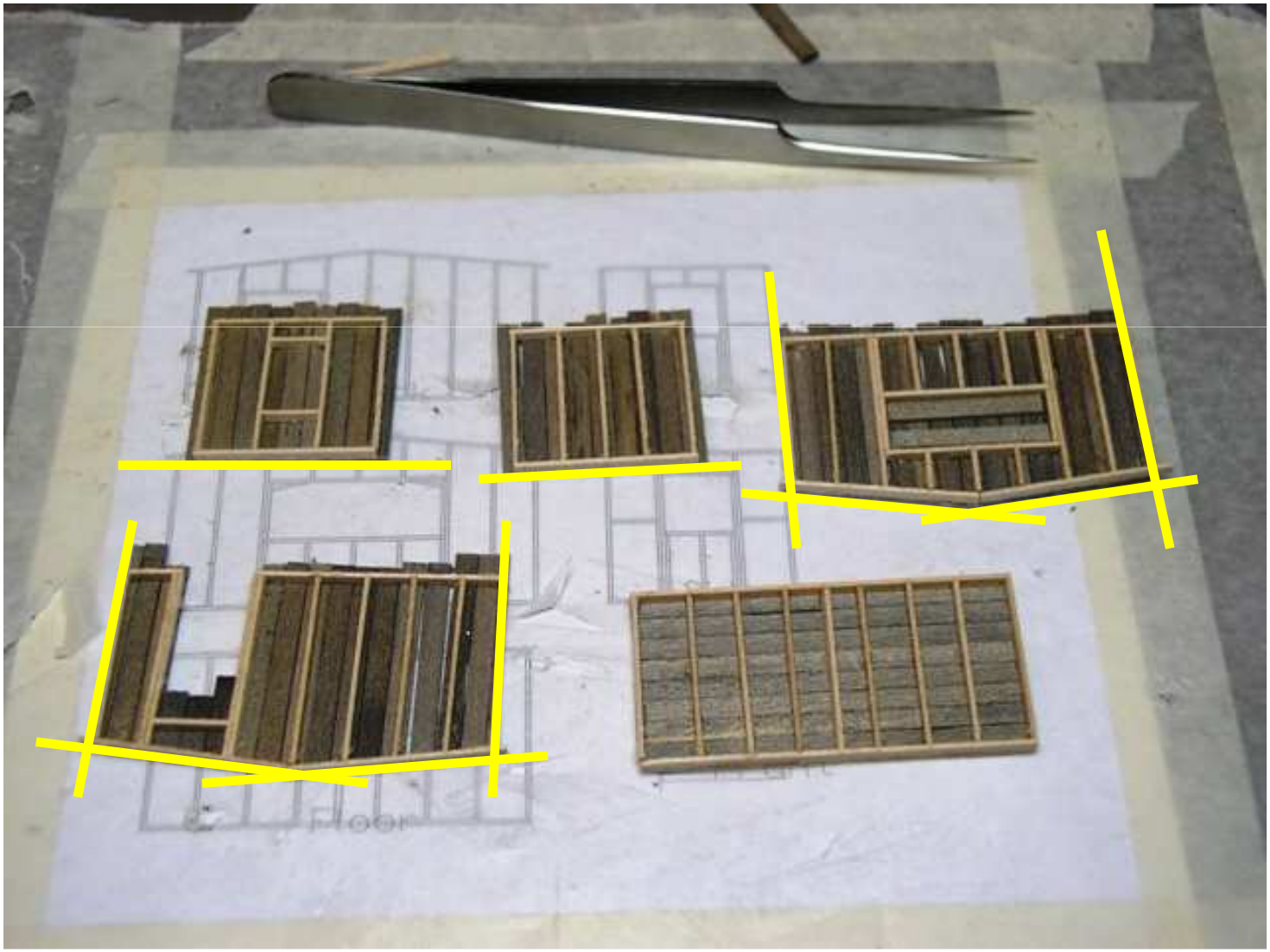
Now trim off the sides so they are flush with the stud, BE CAREFULL not to cut off the eve.



STOP DO NOT TRIM THE BOTTOM OF THE WALL!

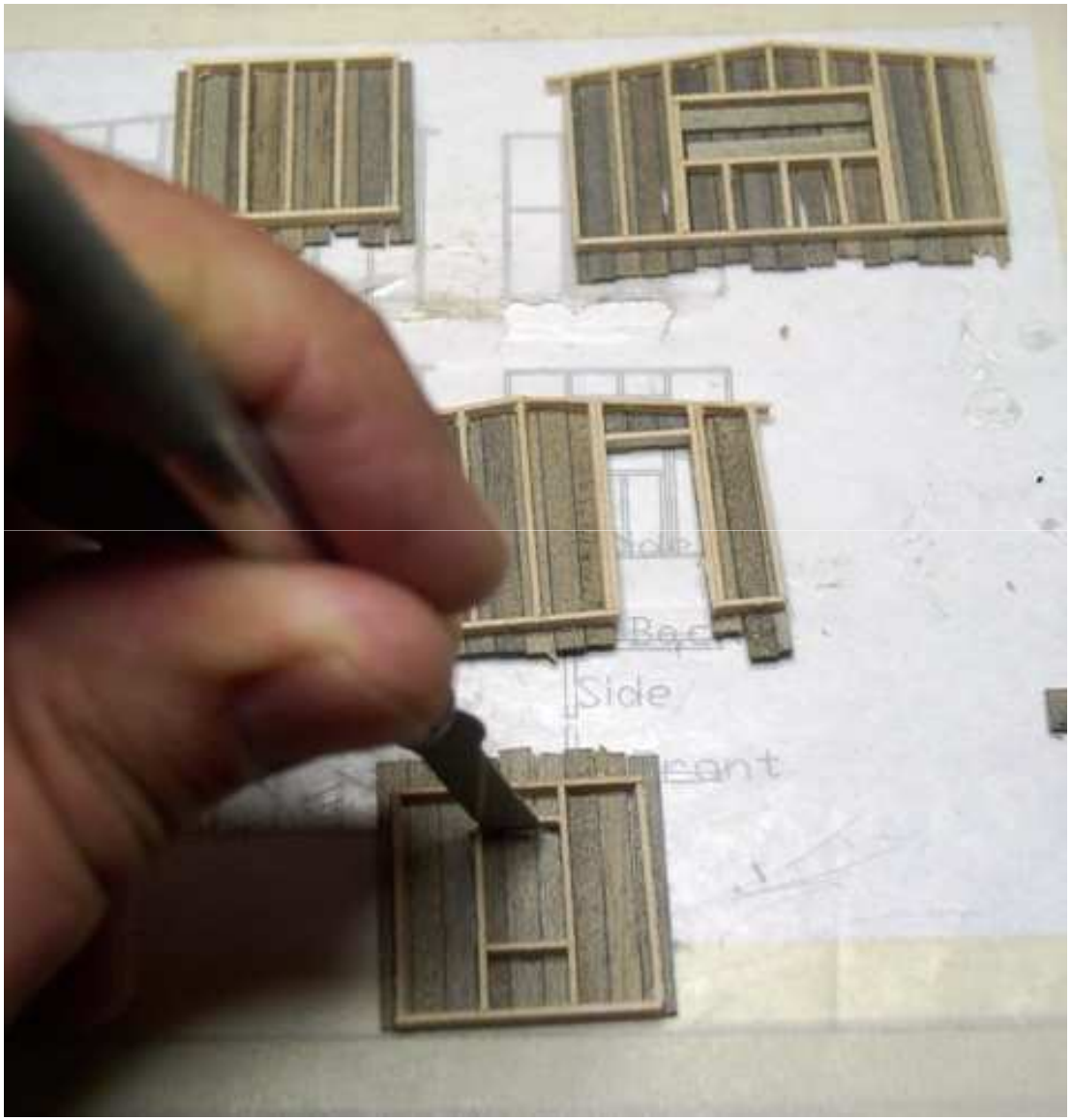
Siding / Doors/ Window

Now continue to trim around the area marked but do not trim the bottoms of any walls nor the side over hanging pieces for the side walls.



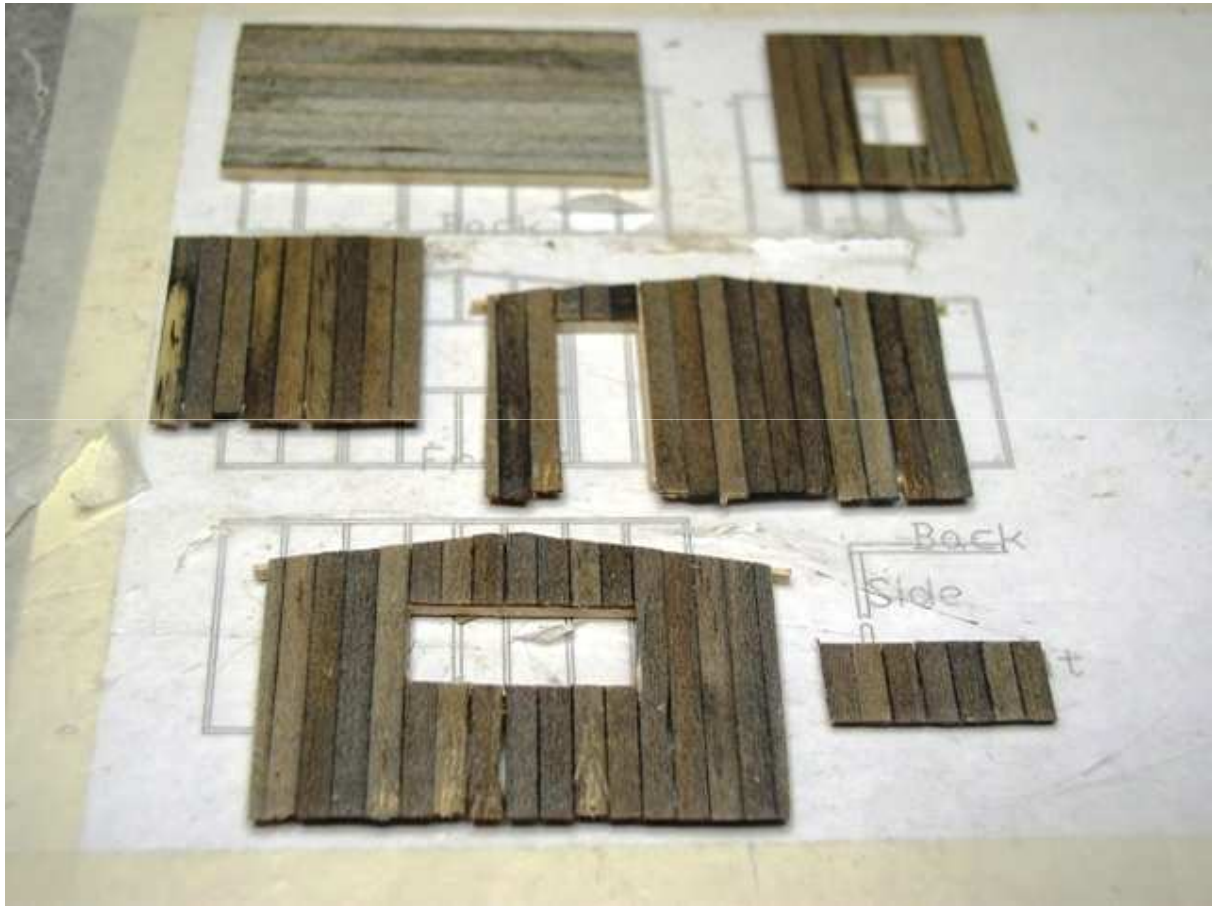
Siding / Doors/ Window

Using either the razor or flat blade, follow the inside of the window, door, and front opening and cut those opening out. I use a rocking motion when cutting and work my way through the cut.



Siding / Doors/ Window

When you done you will have a perfect door opening, windows will be ready to insert and a perfectly cut front wall access panel.



Siding / Doors/ Window

We are now ready for final wall details...

I cut some of the 2x10 remaining wood into 2x6 pieces and placed each piece around the opening

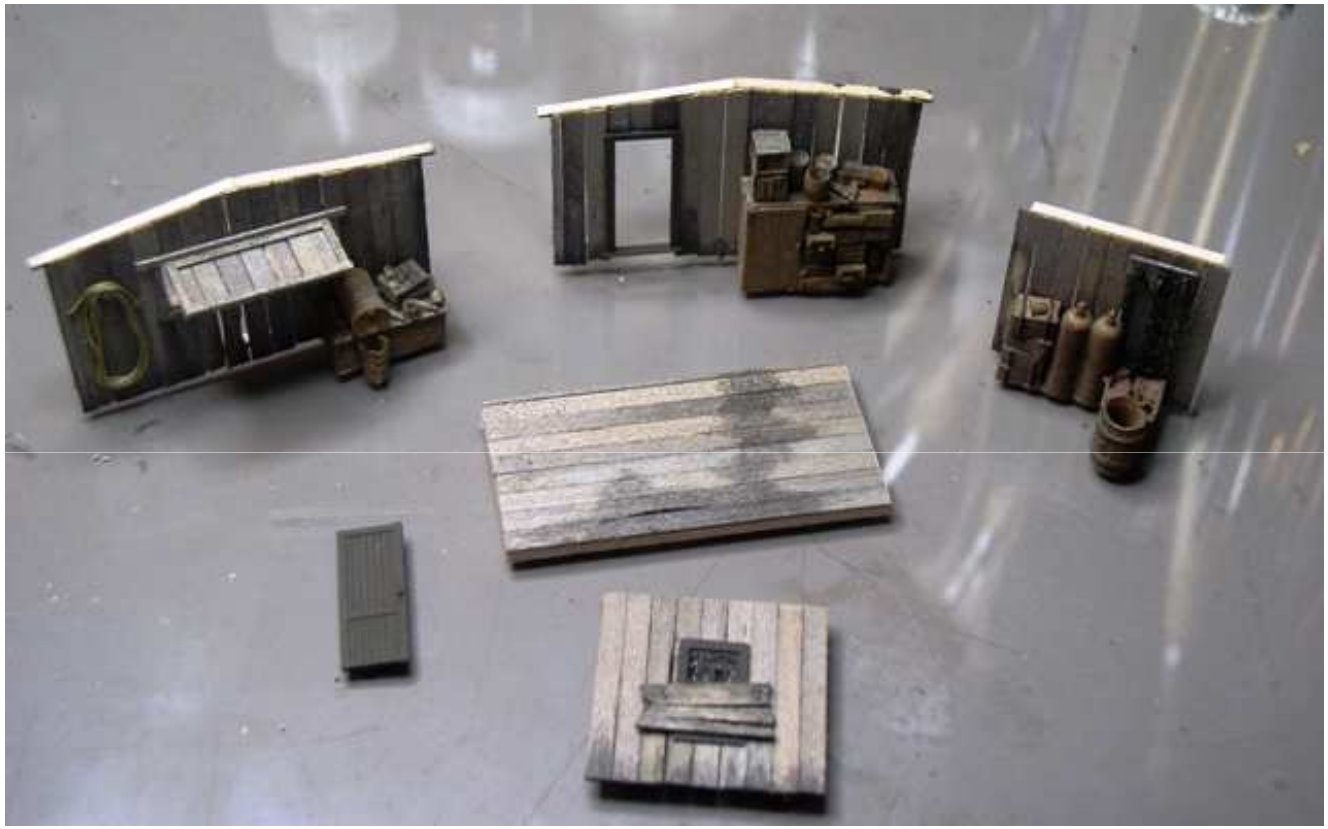
Using a brush, I filled the tip it a little with a darker alcohol / ink concentration and let it wick up from the bottom of the siding.

Lone Star Region

Lettering / Weathering

Lettering / Weathering

Start adding windows, doors and details to the walls and surfaces now before you assemble the building together, it is easier to do this now rather than later.



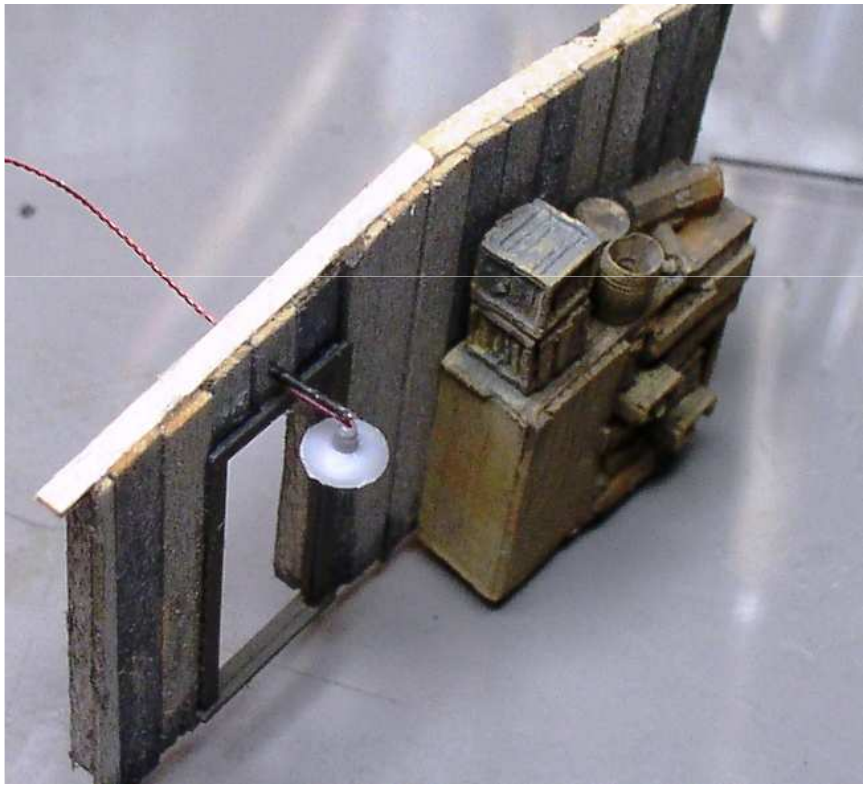
Add some character to your building so that it stands out from the rest...

Lettering / Weathering

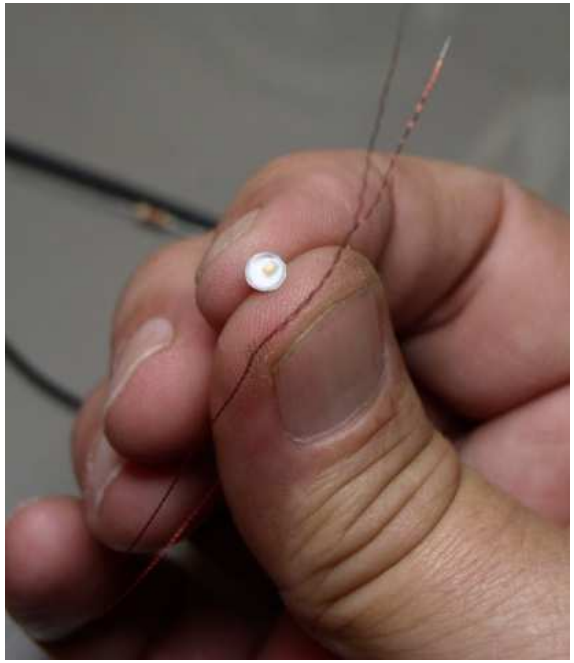
While the walls are separate, add lettering, graphics, construct a shelf etc...

Lettering / Weathering

This is the time to add any
Wall lighting to the model as well



I used a 0603 surface mount LED in a lampshade potted in the glue



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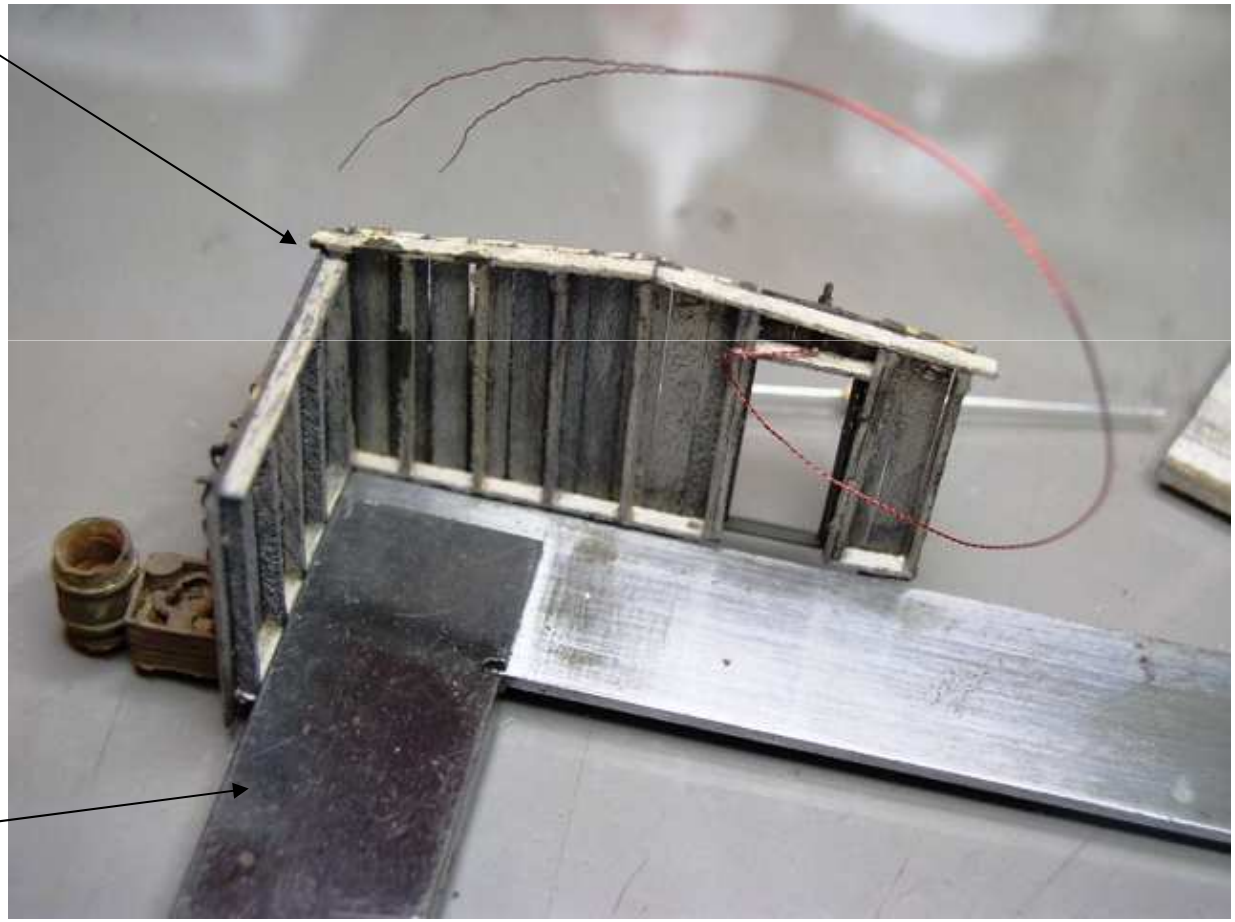
Final Assembly

Final Assembly

Run a bead of glue along the length of one side and glue two sides together.



Using a square of any type, ensure that the walls are 90 degrees to each other....

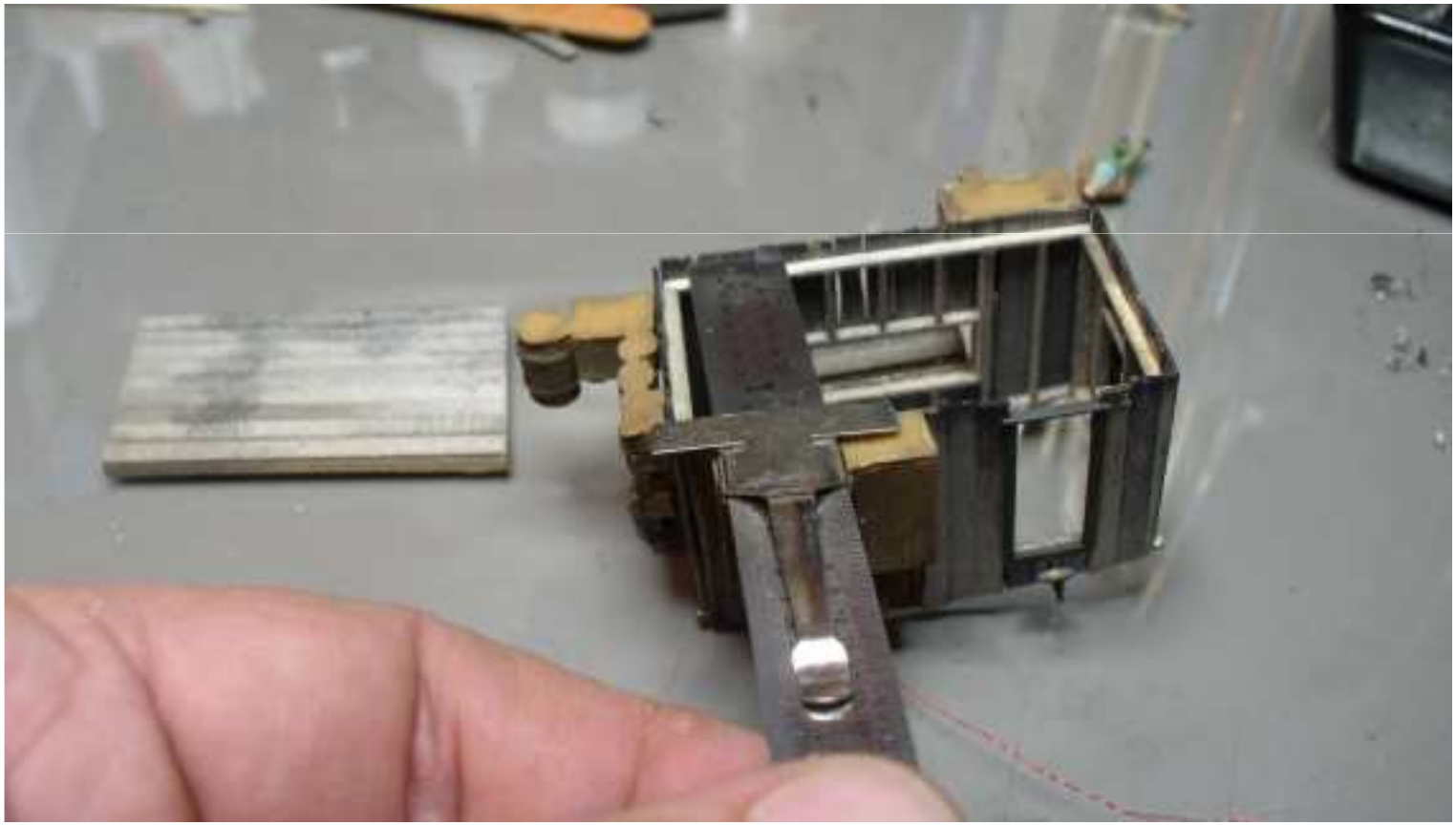
Final Assembly

Add other 2 side to complete the 4 walls. You should have the corners covered by the excess siding you placed earlier.

Trim as needed to make a neat corner with no studs showing.

Final Assembly

Measure the opening and construct the floor panel



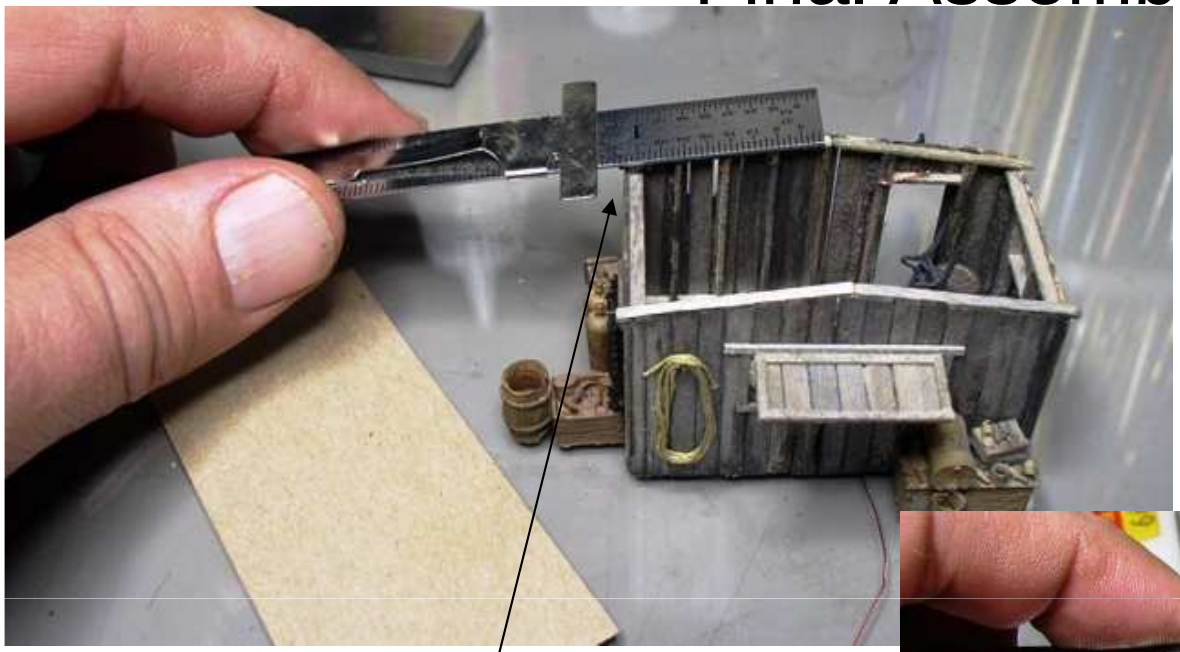
Final Assembly

I added my details now before gluing the floor in, it is easier to do this now rather than later. I also routed the wire for the lighting through the floor at this time

Final Assembly

The floor now glued in place you can weather the traffic patterns of dirt onto the floor to give a worn look.

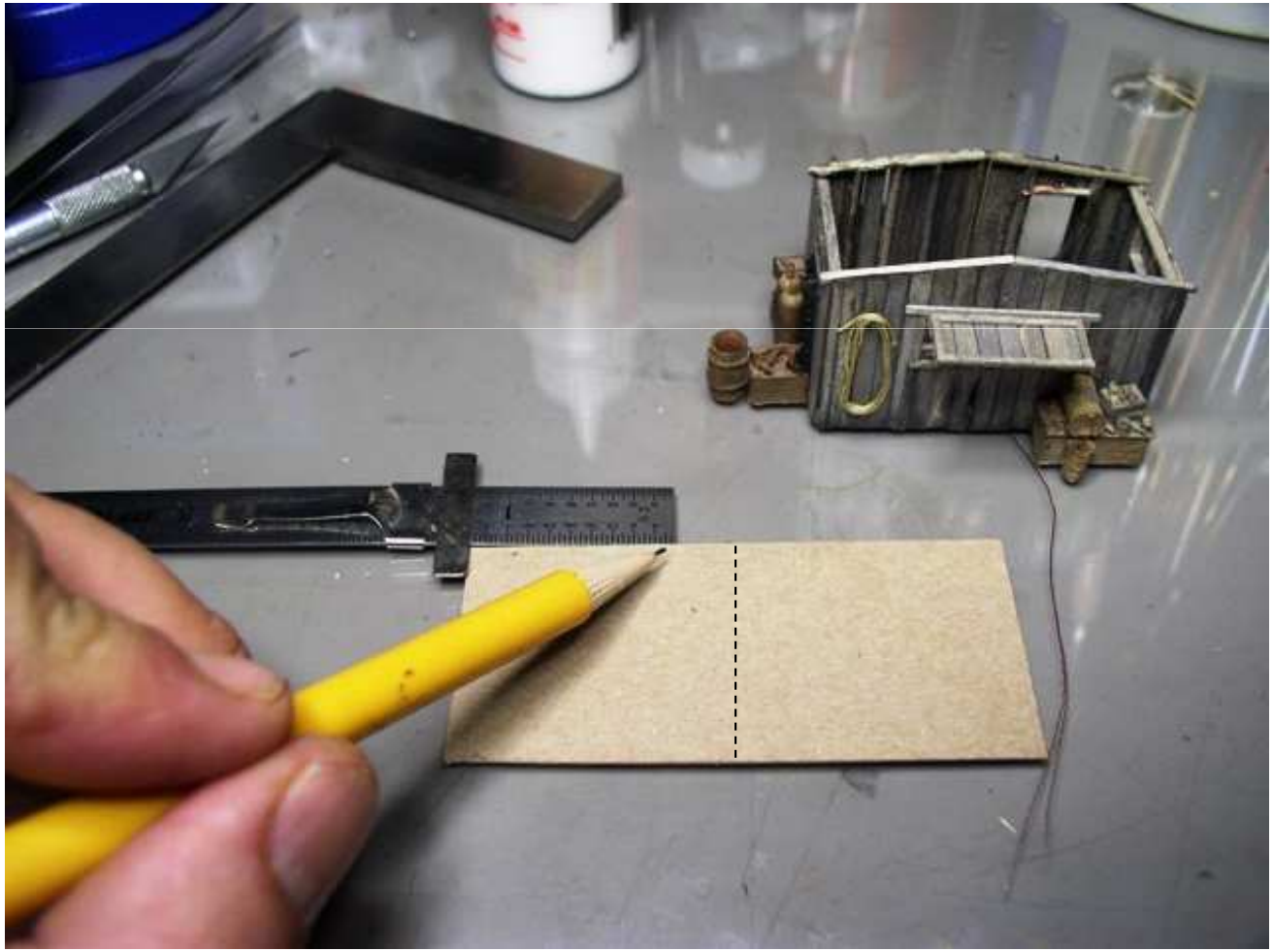
Final Assembly



I measured the area needed to make the roof section, I left a little on each side for the eave over hang.

Final Assembly

Then cut the cardboard to size, once this is done flip it over and mark the center of the roof (this will be become the peak)



Final Assembly

Using a straight edge, cut a score line about half way through the cardboard but do not cut all the way through.

You should be able to now bend along the score line and it will form your peak.

Final Assembly

For this clinic we are going to use the masking tape method of roofing... Its cheap, looks like tar paper, and is easy.

Final Assembly

First roll out some masking tape and cut it length wise to a scale 2’ wide (approximately)

Final Assembly

Now starting at the eve edge place a piece of tape allowing for a little bit to hang over the edge

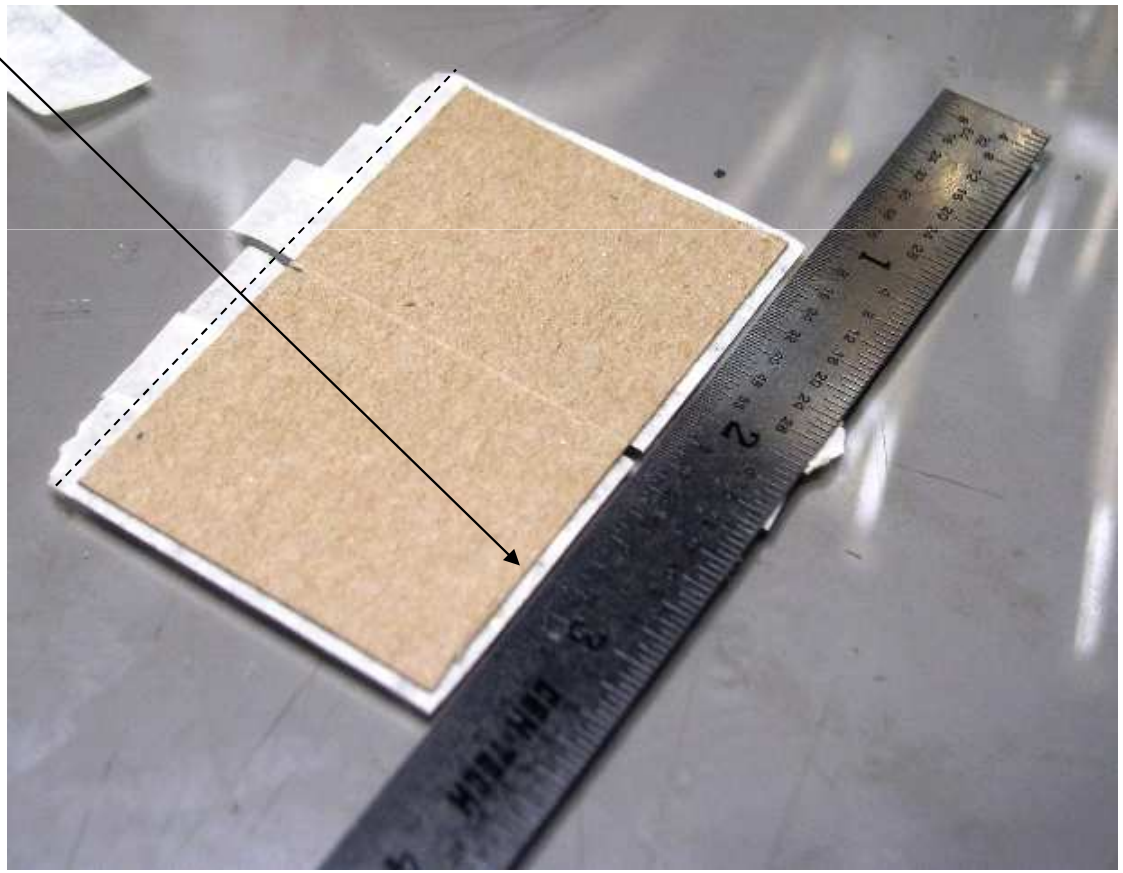
Final Assembly

Continue laying the tape all the way up the roof side notice the slight overlap between each pieces, when painted this will give the impression of tar paper.

Once you reach the peak STOP, start on the other opposite side and do it in the same fashion

Final Assembly

Once it is covered take a straight edge and trim off the excess tape leaving a little bit of the tape remaining.



Final Assembly

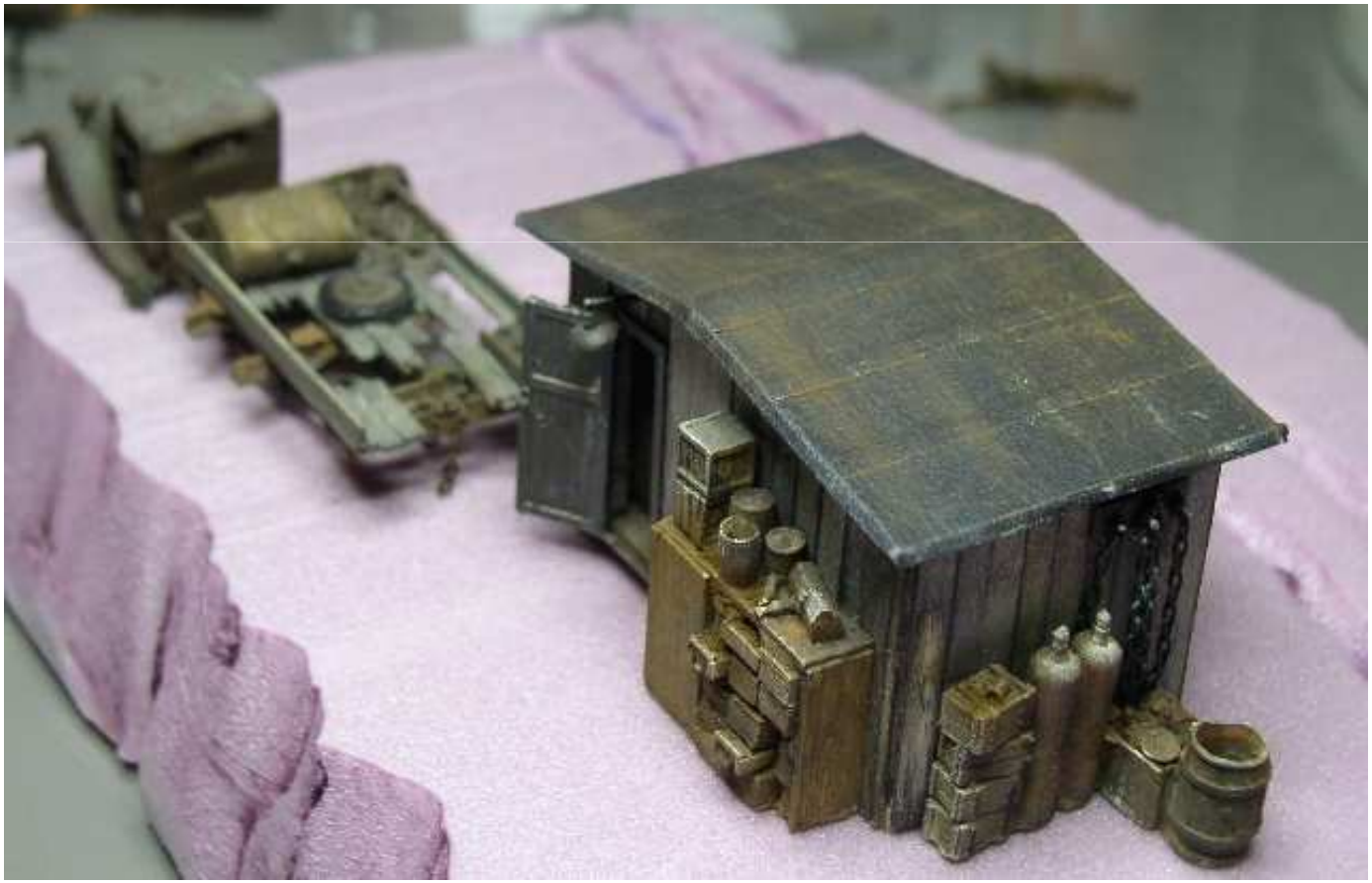
Now take a smaller strip and cover the peak as shown, trim off the excess tape here as well.

Final Assembly

Paint the roof both top and bottom with a black spray paint and curl the edges of the tape over to cover the edge of the cardboard.

Final Assembly

As a final touch, I dry brushed antique white and some dirt powder onto the roof and that is it!



Final Assembly